WHAT IS CLAIMED IS:

- 1. A method for inhibiting the spread and/or reducing the risk of infection of a virus comprising contacting a virus with an inhibiting effective amount of a cathelicidin functional fragment.
- 2. The method of claim 1, wherein the cathelicidin functional fragment comprises a peptide that is 16-36 amino acids in length; and contains the sequence $NH_2-X_1X_2X_3X_4X_5X_6IKX_7FX_8X_9X_{10}LX_{11}P-COOH$ (SEQ ID NO:1), wherein X_1 , X_2 , and X_6 are individually K or R; wherein X_3 is I or K; wherein X_4 is V or G; wherein X_5 is Q or R; wherein X_7 , X_9 , X_{10} , and X_{11} are each individually any amino acid; wherein X_8 is L or F and wherein the polypeptide comprises antimicrobial and/or antiviral activity.
- 3. The method of claim 2, wherein the peptide is about 16 to 20 amino acids in length.
- 4. The method of claim 3, wherein the peptide comprises a sequence selected from the group consisting of:
 - (a) NH₂-KRIVQRIKDFLRNLVP-COOH (SEQ ID NO:13);
 - (b) NH2-KRIVQRIKDFLRNLVPR-COOH (SEQ ID NO:14);
 - (c) NH2-KRIVQRIKDFLRNLVPRT-COOH (SEQ ID NO:15);
 - (d) NH2-KRIVQRIKDFLRNLVPRTE-COOH (SEQ ID NO:16); and
 - (e) NH₂-KRIVQRIKDFLRNLVPRTES-COOH (SEQ ID NO:17).
- 5. The method of claim 3, wherein the polypeptide is about 26 to 30 amino acids in length.
- 6. The method of claim 5, wherein the peptide comprises a sequence selected from the group consisting of:
 - (a) NH₂-KSKEKIGKEFKRIVQRIKDFLRNLVP-COOH (SEQ ID NO:18);
 - (b) NH2-KSKEKIGKEFKRIVQRIKDFLRNLVPR-COOH (SEQ ID NO:19);
- (c) NH_2 -KSKEKIGKEFKRIVQRIKDFLRNLVPRT-COOH (SEQ ID NO:20);

- (d) NH_2 -KSKEKIGKEFKRIVQRIKDFLRNLVPRTE-COOH (SEQ ID NO:21); and
- (e) $\mathrm{NH_2}\text{-}\mathrm{KSKEKIGKEFKRIVQRIKDFLRNLVPRTES}\text{-}\mathrm{COOH}$ (SEQ ID NO:22).
- 7. The method of claim 2, wherein the peptide is about 27 to 31 amino acids in length.
- 8. The method of claim 7, wherein the peptide comprises a sequence selected from the group consisting of:
 - (a) NH2-RKSKEKIGKEFKRIVQRIKDFLRNLVP-COOH (SEQ ID NO:23);
- (b) NH_2 -RKSKEKIGKEFKRIVQRIKDFLRNLVPR-COOH (SEQ ID NO:24);
- (c) NH₂-RKSKEKIGKEFKRIVQRIKDFLRNLVPRT-COOH (SEQ ID NO:25);
- (d) NH₂-RKSKEKIGKEFKRIVQRIKDFLRNLVPRTE-COOH (SEQ ID NO:26);
- (e) NH₂-RKSKEKIGKEFKRIVQRIKDFLRNLVPRTES-COOH (SEQ ID NO:27).
- 9. The method of claim 2, wherein the peptide is 36 amino acids in length.
- 10. The method of claim 9, wherein the peptide consists of the sequence NH_2 -LGDFFRKSKEKIGKEFKRIVQRIKDFLRNLVPRTES-COOH (SEQ ID NO:28).
- 11. The method of claim 1, wherein the virus is selected from a pox virus, a herpes virus, vaccinia virus, and pappiloma virus.
- 12. The method of claim 1, wherein the contacting is in vivo.
- 13. The method of claim 12, wherein the contacting in vivo is by topical administration.

- 14. A method of treating atopic dermatitis comprising contacting a subject having or suspected of having atopic dermatitis with an inhibiting effective amount of a cathelicidin functional fragment.
- 15. The method of claim 14, wherein the cathelicidin functional fragment comprises a peptide that is 16-36 amino acids in length; and contains the sequence NH_2 - $X_1X_2X_3X_4X_5X_6IKX_7FX_8X_9X_{10}LX_{11}P$ -COOH (SEQ ID NO:1), wherein X_1 , X_2 , and X_6 are individually K or R; wherein X_3 is I or K; wherein X_4 is V or G; wherein X_5 is Q or R; wherein X_7 , X_9 , X_{10} , and X_{11} are each individually any amino acid; wherein X_8 is L or F and wherein the polypeptide comprises antimicrobial and/or antiviral activity.
- 16. The method of claim 15, wherein the peptide is about 16 to 20 amino acids in length.
- 17. The method of claim 16, wherein the peptide comprises a sequence selected from the group consisting of:
 - (a) NH2-KRIVQRIKDFLRNLVP-COOH (SEQ ID NO:13);
 - (b) NH2-KRIVQRIKDFLRNLVPR-COOH (SEQ ID NO:14);
 - (c) NH₂-KRIVQRIKDFLRNLVPRT-COOH (SEQ ID NO:15);
 - (d) NH2-KRIVQRIKDFLRNLVPRTE-COOH (SEQ ID NO:16); and
 - (e) NH2-KRIVQRIKDFLRNLVPRTES-COOH (SEQ ID NO:17).
- 18. The method of claim 15, wherein the polypeptide is about 26 to 30 amino acids in length.
- 19. The method of claim 18, wherein the peptide comprises a sequence selected from the group consisting of:
 - (a) NH2-KSKEKIGKEFKRIVQRIKDFLRNLVP-COOH (SEQ ID NO:18);
 - (b) NH₂-KSKEKIGKEFKRIVQRIKDFLRNLVPR-COOH (SEQ ID NO:19);
- (c) NH₂-KSKEKIGKEFKRIVQRIKDFLRNLVPRT-COOH (SEQ ID NO:20);
- (d) NH_2 -KSKEKIGKEFKRIVQRIKDFLRNLVPRTE-COOH (SEQ ID NO:21); and

- (e) NH_2 -KSKEKIGKEFKRIVQRIKDFLRNLVPRTES-COOH (SEQ ID NO:22).
- 20. The method of claim 15, wherein the peptide is about 27 to 31 amino acids in length.
- 21. The method of claim 20, wherein the peptide comprises a sequence selected from the group consisting of:
 - (a) NH2-RKSKEKIGKEFKRIVQRIKDFLRNLVP-COOH (SEQ ID NO:23);
- (b) NH_2 -RKSKEKIGKEFKRIVQRIKDFLRNLVPR-COOH (SEQ ID NO:24);
- (c) NH_2 -RKSKEKIGKEFKRIVQRIKDFLRNLVPRT-COOH (SEQ ID NO:25);
- (d) NH₂-RKSKEKIGKEFKRIVQRIKDFLRNLVPRTE-COOH (SEQ ID NO:26);
- (e) NH_2 -RKSKEKIGKEFKRIVQRIKDFLRNLVPRTES-COOH (SEQ ID NO:27).
- 22. The method of claim 15, wherein the peptide is 36 amino acids in length.
- 23. The method of claim 22, wherein the peptide consists of the sequence NH_2 -LGDFFRKSKEKIGKEFKRIVQRIKDFLRNLVPRTES-COOH (SEQ ID NO:28).
- 24. The method of claim 14, wherein the virus is selected from a pox virus, a herpes virus, vaccinia virus, and pappiloma virus.
- 25. The method of claim 14, wherein the contacting is in vivo.
- 26. The method of claim 25, wherein the contacting in vivo is by topical administration.